

KLANGWUNDER Professional

Installation instructions

OPTION 1: GLUING TO THE WALL

Note: Always use an elastic polymer adhesive. This allows the panels to expand sufficiently after installation. The panels cannot be glued for ceiling installation.

1 Tools required: carpenter's square, spirit level, electric mitre saw, moisture meter, hammer, tape measure, chalkline, elastic adhesive.

2 Ensure that the surface is sufficiently clean and level. This must also be stable enough to hold the construction.

3 Ensure that the room in which the wall is to be installed is sufficiently dry. The relative humidity must not exceed 50 %. This percentage corresponds to the ideal humidity level for a healthy, hygienic indoor climate. The room must be dry, draught-free and equipped with windows and doors. The room must also have the ambient temperature of a normal living space. Make sure that all renovation work is completed before installation to avoid the risk of moisture in the room.

4 Open the packs with a knife and allow the packs to acclimatise for 48 hours in the room where the panels are to be installed. Read the installation instructions carefully and make sure you have understood them.

5 It is important to mix the elements during installation to even out small colour shades and differences, especially in the case of wood decors with a „knot effect“. The panel is subjected to strict quality controls. Panels that still have a visible manufacturing defect must not be installed. Always ensure good lighting during installation. Check each panel before installation: this will prevent any defects from being overlooked. Only unprocessed panels with a visible defect are covered by the guarantee.

6 Pay particular attention to ensuring that the first row of panels is straight! This will save you problems during installation and is extremely important for a beautiful, perfectly sealed result.

7 Ensure that the panels are positioned correctly. Use a spirit level for this. Make sure you leave at least 10 mm clearance between the ceiling, walls and floor to ensure that the wall functions properly.

8 Apply enough adhesive to the milled areas on the back to ensure a continuous bond to the wall.

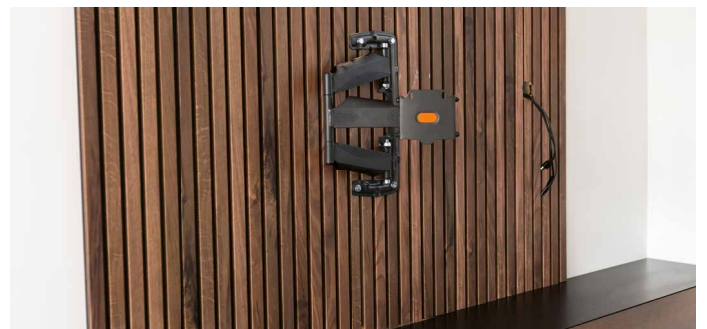
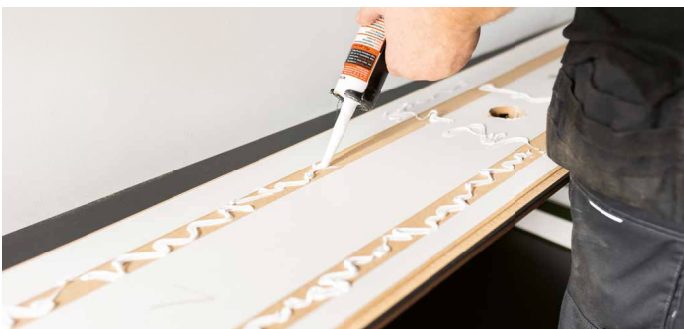
9 Place the suitably sawn element on 10 mm spacer wedges previously laid out on the floor. Also check the distances to the ceiling and wall and support these with spacers.

10 Also check that there is sufficient adhesive after you have pressed the element onto the wall.

11 Proceed in the same way with each additional panel and adjust the last panel so that the 10 mm gap is also maintained there.

12 If this expansion joint is not maintained, there is a risk that the wall will come loose because the material-related expansion is not possible. The largest component of the panel is wood. Wood is alive: this means that the panels expand and shrink. The expansion can be 2 mm per running metre.

13 For spans of more than 10 metres, the wall must be reinforced with an 10 mm additional expansion joint.



Installation instructions

OPTION 2: WALL AND CEILING MOUNTING ON BATTENS

1 Tools required: carpenter's square, spirit level, electric mitre saw, electric or pneumatic stapler, drill, screwdriver, moisture meter, hammer, tape measure, string beat, fitting strip, screws and dowels.

2 Create a wooden slatted frame to which the wall will be attached. If you want to mount the wall panels vertically, attach the battens horizontally. For horizontal installation, the wooden battens must be attached vertically.

3 Anchor the battens to the wall with screws and plugs and maintain a distance (centre-to-centre distance) of 40 cm. For ceiling installation max. 30 cm.

4 The slatted frame must be perfectly aligned. To do this, use a fitting strip (battens) and a spirit level.

5 Ensure that the room in which the wall is installed is sufficiently dry. The relative humidity must not exceed 50 %. This percentage corresponds to the ideal humidity level for a healthy, hygienic indoor climate. The room must be dry, draught-free and equipped with windows and doors. The room must also have the ambient temperature of a normal living space. Make sure that all renovation work is completed before installation to avoid the risk of moisture in the room.

6 Open the packs with a knife and allow the packs to acclimatise for 48 hours in the room where the panels are to be installed. Read the installation instructions carefully and make sure you have understood them.

7 It is important to mix the elements during installation in order to even out small colour shades and differences, especially in the case of wood decors with a „knot effect“. The panel is subjected to strict quality controls. Panels that still have a visible manufacturing defect must not be installed. Always ensure good lighting during installation. Check each panel before installation: this will prevent any defects from being overlooked. Only unprocessed panels with a visible defect are covered by the guarantee.

8 Take particular care to ensure that the first row of panels is straight! This will save you problems during installation and is extremely important for a beautiful, perfectly sealed result.

9 Ensure that it is positioned correctly. Use a spirit level for this. Make sure you leave at least 10 mm clearance between the ceiling, walls and floor to ensure that the wall functions properly.

10 If this expansion joint is not maintained, there is a risk that the wall will come loose because the material-related expansion is not possible. The largest component of the panel is wood. Wood is alive: this means that the panels expand and shrink. The expansion can be 2 mm per running metre.

11 The panels can be fastened as follows: For wall mounting, by shooting through the lower groove cheek, using staples at least 14 mm long. Control the stop pressure so that the staple does not shoot through the groove cheek. Alternatively, proceed as described under point 12.

12 For ceiling installation, use 3 mm profiled wood claws, which must be screwed into the substructure.

13 Ensure that there is an expansion joint of at least 10 mm on all sides around the wall.

14 For spans of more than 10 m, the wall must be interrupted by an additional expansion joint of 10 mm.

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TIPS & TRICKS

A Prepare cabling for lighting and/or built-in sockets.

B Ensure sufficiently stable installation conditions. Remember that you are working at height and ensure your safety at work by using the correct ladder and/or scaffolding material.

C Draw up an assembly plan in advance. This will prevent waste and optimise panel consumption.

D Relative humidity: max. 50 %. Avoid renovation work after the wall has been installed. This will lead to a sudden increase in the relative humidity of the room, causing the wall to perform abnormally. The panels have been developed for indoor

use only. Any other use falls outside the terms of the guarantee. Excluded is the installation in sauna rooms, (open) shower rooms, swimming pool, any kind of outdoor application. The panel is NOT suitable for use in damp areas such as bathrooms, kitchens, washing areas, toilets, etc.

E An alternative to the wooden slatted frame is a metal support structure.

These installation instructions are based on all relevant standards and the state of the art for the design and surfaces to be worked on. Failure to comply with these instructions will invalidate the warranty and guarantee.

EXAMPLE OF BATTENS

